

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (CURRENTLY AMENDED) An image recording apparatus, comprising:

a coding/decoding part performing coding and decoding a given signal in one of a plurality of coding/decoding modes of different bit rates;
a recording medium coupled with said coding/decoding part; and
a control part setting a predetermined bit rate to be applied by said coding/decoding part in case the given signal is output after being coded and decoded by said coding/decoding part without storage thereof in said recording medium, wherein

the image recording apparatus functions in at least two modes, a first mode in which the given signal is recorded/reproduced on the recording medium, and a second mode in which the given signal is not recorded/reproduced on the recording medium but is output, and switching between the first mode and the second mode is determined by a remote controller.

2. (ORIGINAL) The image recording apparatus as claimed in claim 1, wherein the predetermined bit rate is that on such a mode of the plurality of coding/decoding modes as to provide the highest image quality.

3. (ORIGINAL) The image recording apparatus as claimed in claim 1, wherein the predetermined bit rate is further higher than that on such a mode of the plurality of coding/decoding modes as to provide the highest image quality.

4. (CURRENTLY AMENDED) An image recording apparatus, comprising:

a coding/decoding part performing coding and decoding a given signal in one of a plurality of coding/decoding modes of different bit rates;
a recording medium coupled with said coding/decoding part; and
a control part automatically setting a predetermined-bit rate corresponding to one of the plurality of coding/decoding modes to be applied by said coding/decoding part according to a

~~predetermined parameter concerning at least a remaining storage capacity A (bytes) of recording of the given signal to be recorded into said recording medium.~~

5. (CURRENTLY AMENDED) The image recording apparatus as claimed in claim 4, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; control part sets the bit rate further depending on a time T (seconds) of recording reserved; a maximum available recording bit rate Rmax (bps); and a minimum available recording bit rate Rmin (bps); and~~

~~said control part determines the bit rate R (bps) by which the recording is performed such as that satisfying to satisfy the following formula:~~

$$T \times R/8 \leq A$$

wherein, $R = R_{\text{max}}$ when $R > R_{\text{max}}$; and

$R = R_{\text{min}}$ when $R < R_{\text{min}}$.

6. (CURRENTLY AMENDED) The image recording apparatus as claimed in claim 4, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; and~~

~~said control part lowers the sets a lower bit rate by which the recording is performed when the remaining storage capacity A is less than a predetermined value.~~

7. (CURRENTLY AMENDED) The image recording apparatus as claimed in claim 4, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; control part sets the bit rate further depending on a time T (seconds) of recording reserved; and a minimum available recording bit rate Rmin (bps); and~~

~~said control part determines the bit rate R (bps) by which the recording is performed such as that satisfying to satisfy the following formula:~~

$$T \times R/8 \leq A$$

wherein $R = R_{\text{min}}$ when $R < R_{\text{min}}$.

8. (CURRENTLY AMENDED) An image recording apparatus, comprising:

a coding/decoding part performing coding and decoding a given signal in one of a

plurality of coding/decoding modes of different bit rates;

a recording medium coupled with said coding/decoding part; and

a control part causing an input image signal to be automatically recorded into said recording medium even if no instructions for recording the input image signal is given, and causing the image signal thus recorded into the recording medium to be accessible when predetermined instructions concerning the image signal is given, wherein

the image recording apparatus functions in at least two modes, a first mode in which the given signal is recorded/reproduced on the recording medium, and a second mode in which the given signal is not recorded/reproduced on the recording medium but is output, and

switching between the first mode and the second mode is determined by a remote controller.

9. (ORIGINAL) The image recording apparatus as claimed in claim 8, wherein said control part does not perform the automatic recording of the image signal when the remaining storage capacity of the recording medium is less than a predetermined value.

10. (PREVIOUSLY PRESENTED) The image recording apparatus as claimed in claim 8, wherein said control part causes the image signal to be automatically recorded into a file, which a user cannot access, of the recording medium.

11. (ORIGINAL) The image recording apparatus as claimed in claim 8, wherein control information concerning the image signal is divided and recorded into the recording medium in a directory area thereof and also an area thereof in which the image signal is stored separately.

12. (CURRENTLY AMENDED) A semiconductor device, comprising:
a coding/decoding circuit performing coding and decoding a given signal in one of a plurality of coding/decoding modes of different bit rates; and
a control circuit setting a predetermined bit rate to be applied by said coding/decoding circuit in case the given signal is output after being coded and decoded by said coding/decoding part without storage thereof in a predetermined recording medium, wherein

the semiconductor device functions in at least two modes, a first mode in which the given signal is recorded/reproduced on the recording medium, and a second mode in which the given signal is not recorded/reproduced on the recording medium but is output, and

switching between the first mode and the second mode is determined by a remote controller.

13. (ORIGINAL) The semiconductor device as claimed in claim 12, wherein the predetermined bit rate is that of such a mode of the plurality of coding/decoding modes as to provide the highest image quality.

14. (ORIGINAL) The semiconductor device as claimed in claim 12, wherein the predetermined bit rate is further higher than that of such a mode of the plurality of coding/decoding modes as to provide the highest image quality.

15. (CURRENTLY AMENDED) A semiconductor device, comprising:
a coding/decoding circuit performing coding and decoding a given signal in one of a plurality of coding/decoding modes of different bit rates; and
a control circuit automatically setting a predetermined bit rate corresponding to one of the plurality of coding/decoding modes to be applied by said coding/decoding part according to a predetermined parameter concerning at least a remaining storage capacity A (bytes) of recording of the given signal to be recorded into a predetermined recording medium in which the given signal is recorded.

16. (CURRENTLY AMENDED) The semiconductor device as claimed in claim 15, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; control part sets the bit rate further depending on a time T (seconds) of recording reserved; a maximum available recording bit rate Rmax (bps); and a minimum available recording bit rate Rmin (bps); and~~

~~said control circuit determines the bit rate R (bps) by which the recording is performed such as that satisfying to satisfy the following formula:~~

$$T \times R/8 \leq A$$

wherein, $R = R_{\text{max}}$ when $R > R_{\text{max}}$; and
 $R = R_{\text{min}}$ when $R < R_{\text{min}}$.

17. (CURRENTLY AMENDED) The semiconductor device as claimed in claim 15, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; and~~

~~said control circuit lowers the sets a lower bit rate by which the recording is performed when the remaining storage capacity A is less than a predetermined value.~~

18. (CURRENTLY AMENDED) The semiconductor device as claimed in claim 15, wherein:

~~the predetermined parameter includes a remaining storage capacity A (bytes) of said recording medium; control part sets the bit rate further depending on a time T (seconds) of recording reserved; and a minimum available recording bit rate Rmin (bps); and~~

~~said control circuit determines the bit rate R (bps) by which the recording is performed such as that satisfying to satisfy the following formula:~~

$$T \times R/8 \leq A$$

wherein $R = R_{\text{min}}$ when $R < R_{\text{min}}$.

19. (CURRENTLY AMENDED) A semiconductor device, comprising:
a coding/decoding circuit performing coding and decoding a given signal in one of a plurality of coding/decoding modes of different bit rates; and

a control circuit causing an input image signal to be automatically recorded into a predetermined recording medium even if no instructions for recording the input image signal is given, and, causing the image signal thus recorded into the recording medium to be accessible when predetermined instructions concerning the image signal is given, wherein

the semiconductor device functions in at least two modes, a first mode in which the given signal is recorded/reproduced on the recording medium, and a second mode in which the given signal is not recorded/reproduced on the recording medium but is output, and
switching between the first mode and the second mode is determined by a remote controller.

20. (ORIGINAL) The semiconductor device as claimed in claim 19, wherein said control circuit does not perform the automatic recording of the image signal when the remaining storage capacity of the recording medium is less than a predetermined value.

21. (PREVIOUSLY PRESENTED) The semiconductor device as claimed in claim 19,

wherein said control circuit causes the image signal to be automatically recorded into a file, which a user cannot access, of the recording medium.

22. (ORIGINAL) The semiconductor device as claimed in claim 19, wherein control information concerning the image signal is divided and recorded into the recording medium in a directory area thereof and an area thereof in which the image signal is stored separately.